

Ute Tribal 31-12 AOR CBLs

Attached are the following CBLs:

Ute Tribal 31-05



CEMENT
BOND
LOG

COMPANY PETROGLYPH OPERATING COMPANY		WELL UTE TRIBAL #31-05		FIELD ANTELOPE CREEK		COUNTY DUCHESNE		STATE UT.	
Permanent Datum		K.B.		Elev 5274		Elev K.B. 5234		Other Services	
Log measured from		K.B.		4 above perm datum		D.F. 5233		G.L. 5274	
Casing measured from		K.B.							
Date @ Time Logged		3-31-93 @ 7:15		Type fluid in hole		WATER			
Run No		5529		Density of Fluid		FULL			
Depth - Driller		542'		Cement Top Est. Logged		565			
Bottom - Logged Interval		541.6		Equipment Location		7609 EDWARDS			
Top - Logged Interval		530		Recorded by		EDWARDS			
Max. Red Temp. 289 F		129		Witnessed by		MAY SEARLES			
CEMENTING DATA		Surface		Production		Line			
Date Time Cemented		String		String					
Primary Squeeze									
Expected									
Compressive Strength		psi @ hrs		psi @ hrs		psi @ hrs			
Cement Volume									
Cement Type Weight									
Formulation									
MUD Type MUD-VIT									
RUN		BOREHOLE RECORD		CASING & TUBING RECORD					
NO		BIT		FROM		TO			
		542'		565		565			
		5.50"		5.50"		5.50"			

Field Note

Service Ticket No	376275	API Serial No	43 013 31015	Print Version	41 v3.10
The Well Name, Location, Casing/Log Data & Borehole Description is furnished by Client					
CEMENTING DATA					
Cement Pumped	bb	men @	psi	Joint From	To
Preceding Fluid	volume	bbl	Cementizer	Joint From	To
Return (Full/Partial/None)				Joint From	To
Pipe Rotated / Recirculated				Joint From	To
During Pumping (Yes/No)?				Joint From	To
After Plug Down (Yes/No)?			Scratchers	Joint From	To
Plug Pumped (Yes/No)				Joint From	To
Plug Landing Pressure	psi				
Pressure Held	psi	Hrs After Pumping			
EQUIPMENT DATA					
EAMMA		NEUTRON		ACOUSTIC	
Run No		Run No		Run No	
Serial No	33109	Serial No		Serial No	HA04E
Model No	HA-0025	Model No		Model No	HA-CBT
Diameter	3.375	Diameter		Diameter	3.25"
Detector Model No		Log Type		No of Cnt	2
Type	SC40T	Source Type		Spacing	3 & 5
Length		Serial No			
Distance to Source		Strength			

[illegible]

THANK YOU FOR USING HALLIBURTON ENERGY SERVICES 1-800-874-2550
CORRELATED TO HES SDL/DSN LOG DATED 3-23-98
SHORT JOINS: 3232 TO 3238 & 4714 TO 4754

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSSES, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

MILLER, F. TON

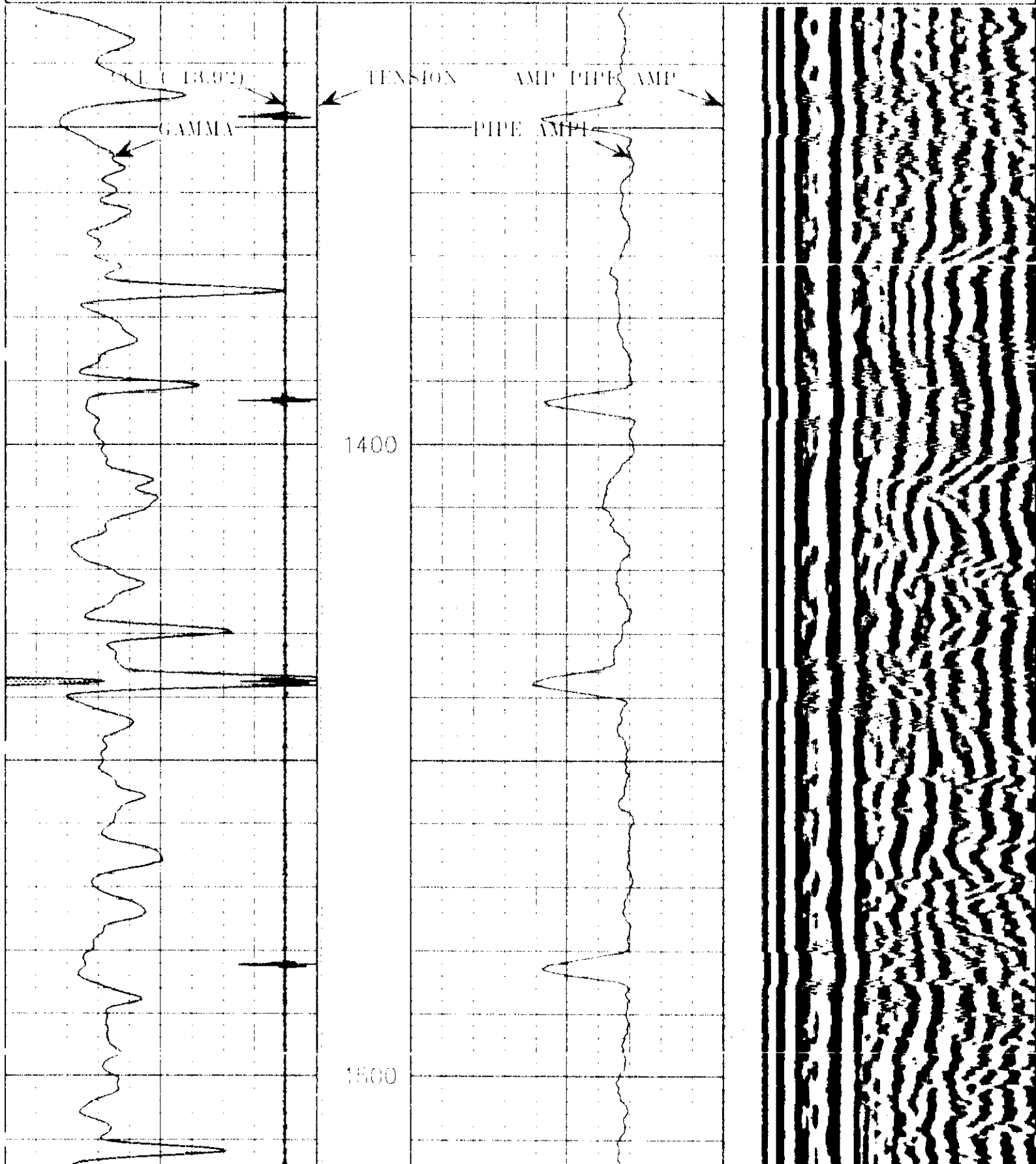
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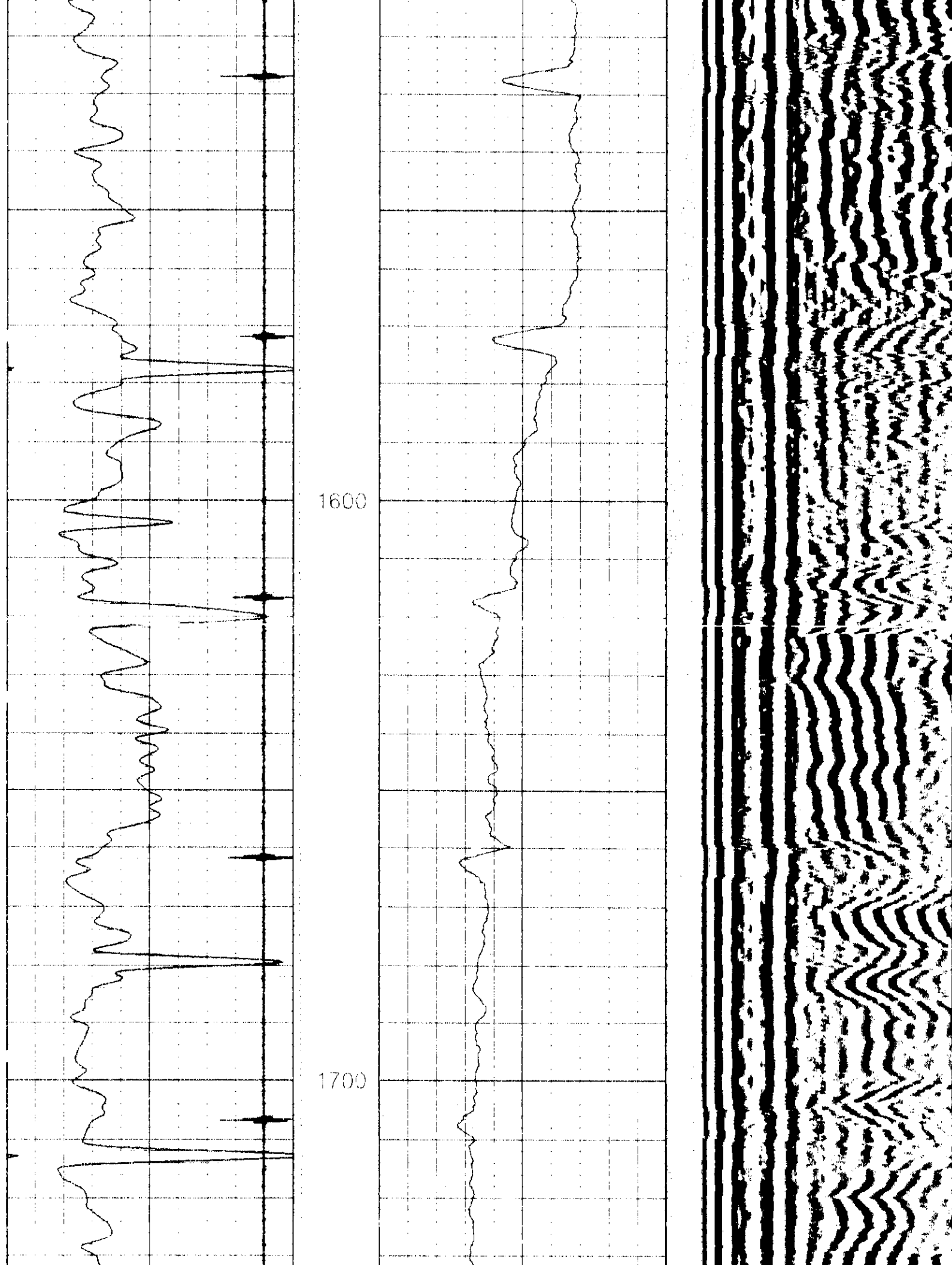
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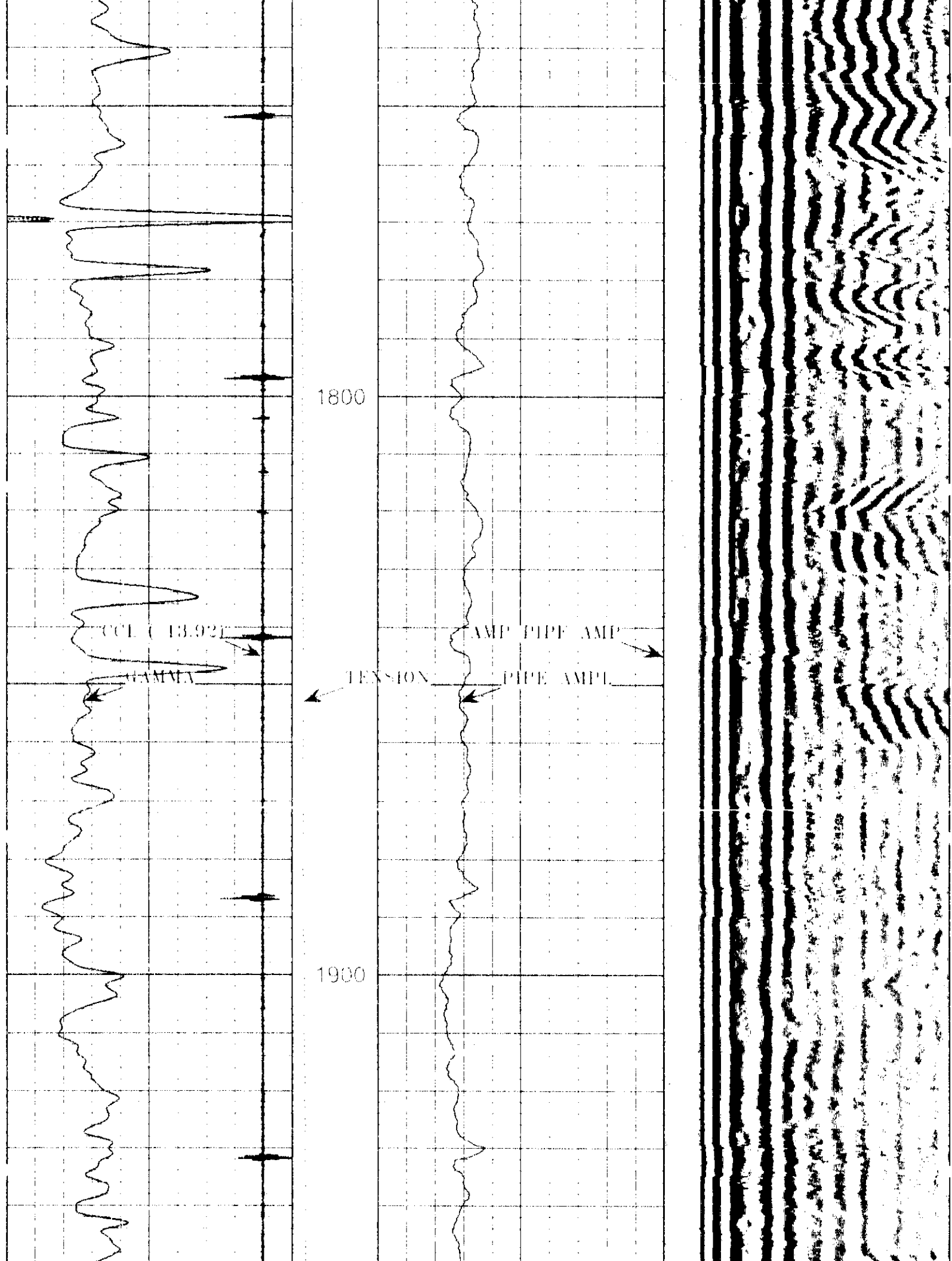
Mnemonic	Tool	Parameter Description	Value	Units
PERF	AN_HD	PERFORATED INTERVAL	NO	FT
TD	AN_HD	TOTAL DEPTH	0.	
GR_OK	UGR	DO GAMMA CALCULATIONS	YES	
CASED	UGR	IS THIS A CASED HOLE	YES	
CCLSEL	UCCL	CCL PROCESSING SELECTION	RAW	
CCLOFFS	UCCL	CCL PERFORATION OFFSET	0	
BONDOK	CBL	DO BOND CALCULATIONS?	YES	
INVWVF	CBL	INVERT WAVEFORMS?	NO	
SELA	CBL	AMP RECEIVER SELECTED	NEAR	
SELM	CBL	MSG RECEIVER SELECTED	FAR	
SELT	CBL	TT RECEIVER SELECTED	NEAR	
S_GATE	CBL	SHOW PIPE GATE ON MSG ?	YES	Inches
BI_OK	CBL	DO BOND INDEX CALCULATIONS?	YES	
BIM1	CBL	BONDINDEX CALCULATION METHOD	CHRT	
CASEOD	CBL	CASING DIAMETER (OD)	5.5	
CASEWT	CBL	CASING WEIGHT	17.	
CSTR	CBL	COMPRESSIVE STRENGTH	1000.	
ISFOAM	CBL	IS THE CEMENT TYPE FOAM?	NO	
ISMUD	CBL	IS FLUID IN HOLE DRILLING MUD?	NO	
MUDWT	CBL	BOREHOLE FLUID WEIGHT	9.5	
TTVL	CBL	TRAVEL TIME THRESHOLD MV.?	5.	
GADI	CBL	PIPE GATE WIDTH (USEC) ?	40	Pounds/Gal.
TDU_OK	TDUB	USE TDU DISPLAY CONTROLS?	YES	

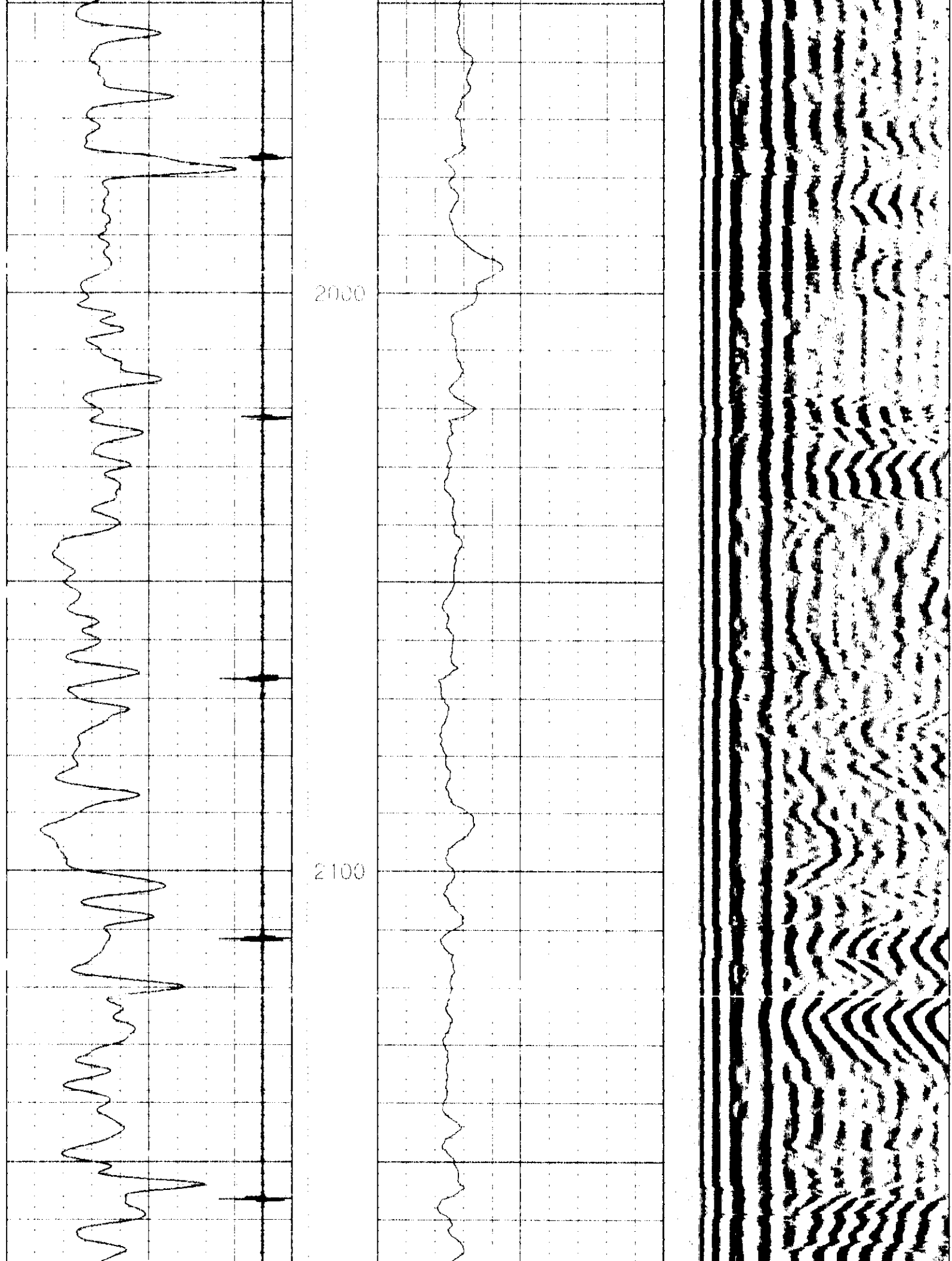
MAIN LOG

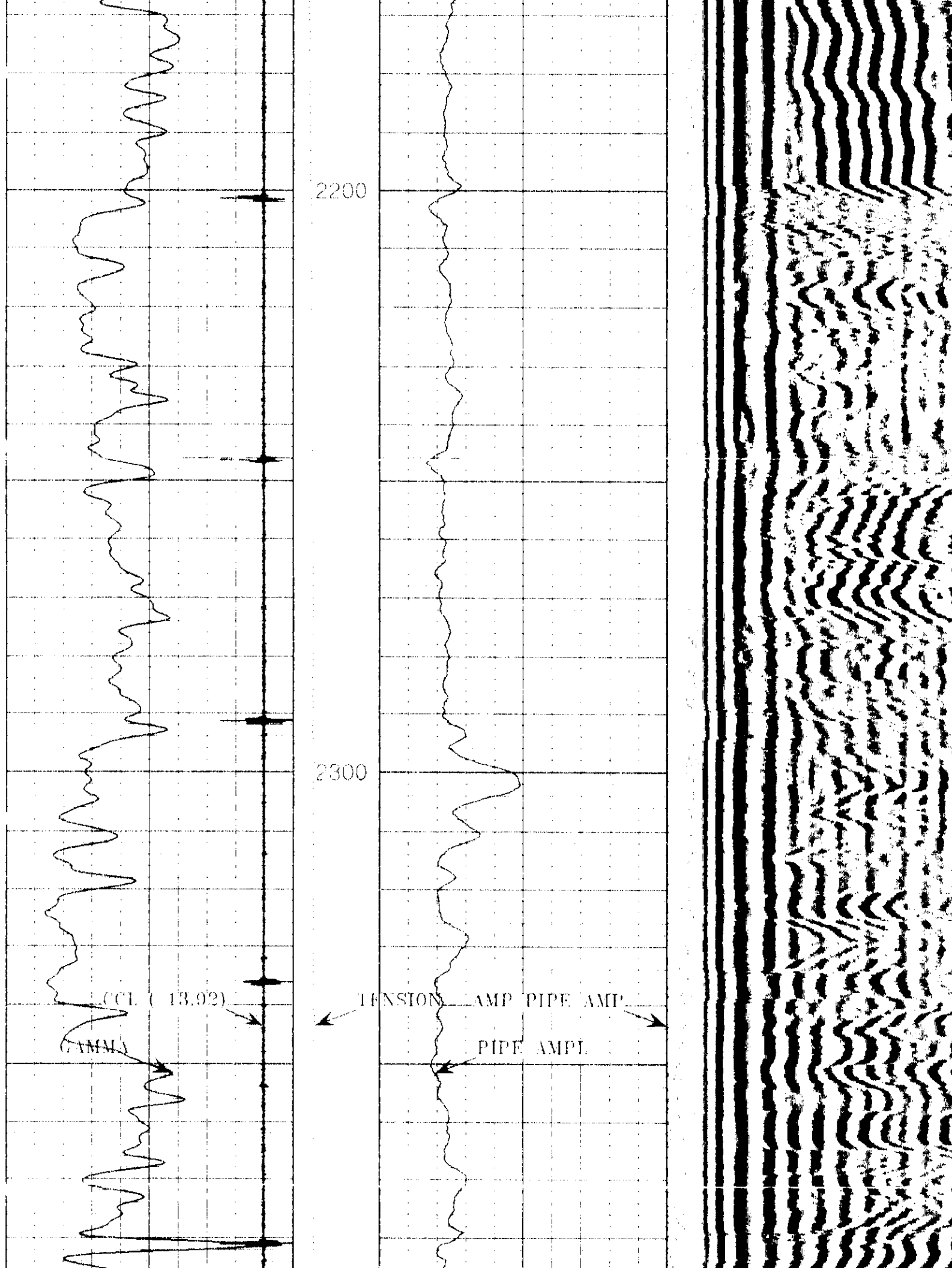
GAMMA GAMMA API CCL (13.92)	TENSION POU 2500	PIPE AMPL AMP PIPE AMP	MSG 4-USEC 1200
0 3650	150 1 240 Ft	0 10	200 50

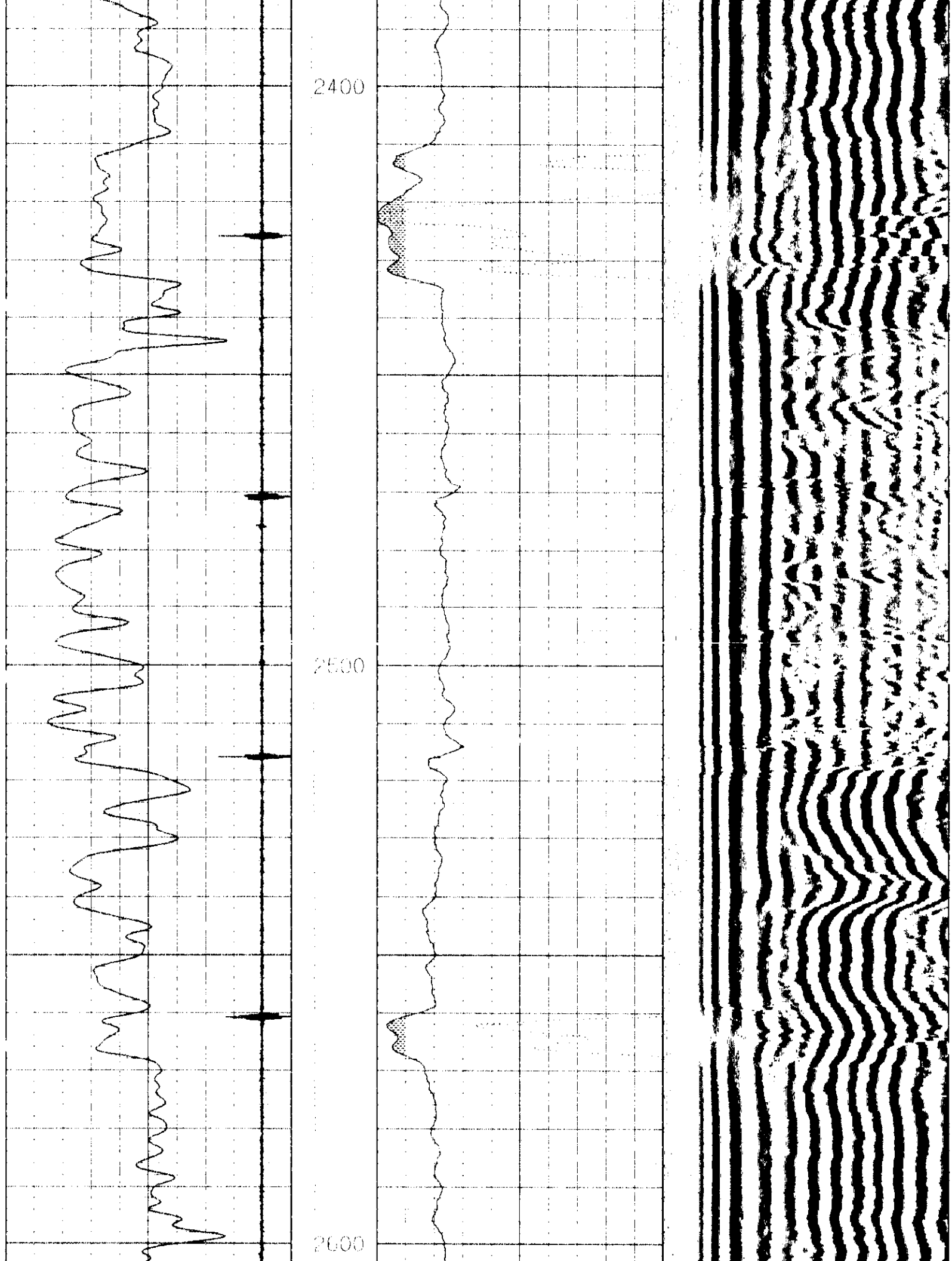


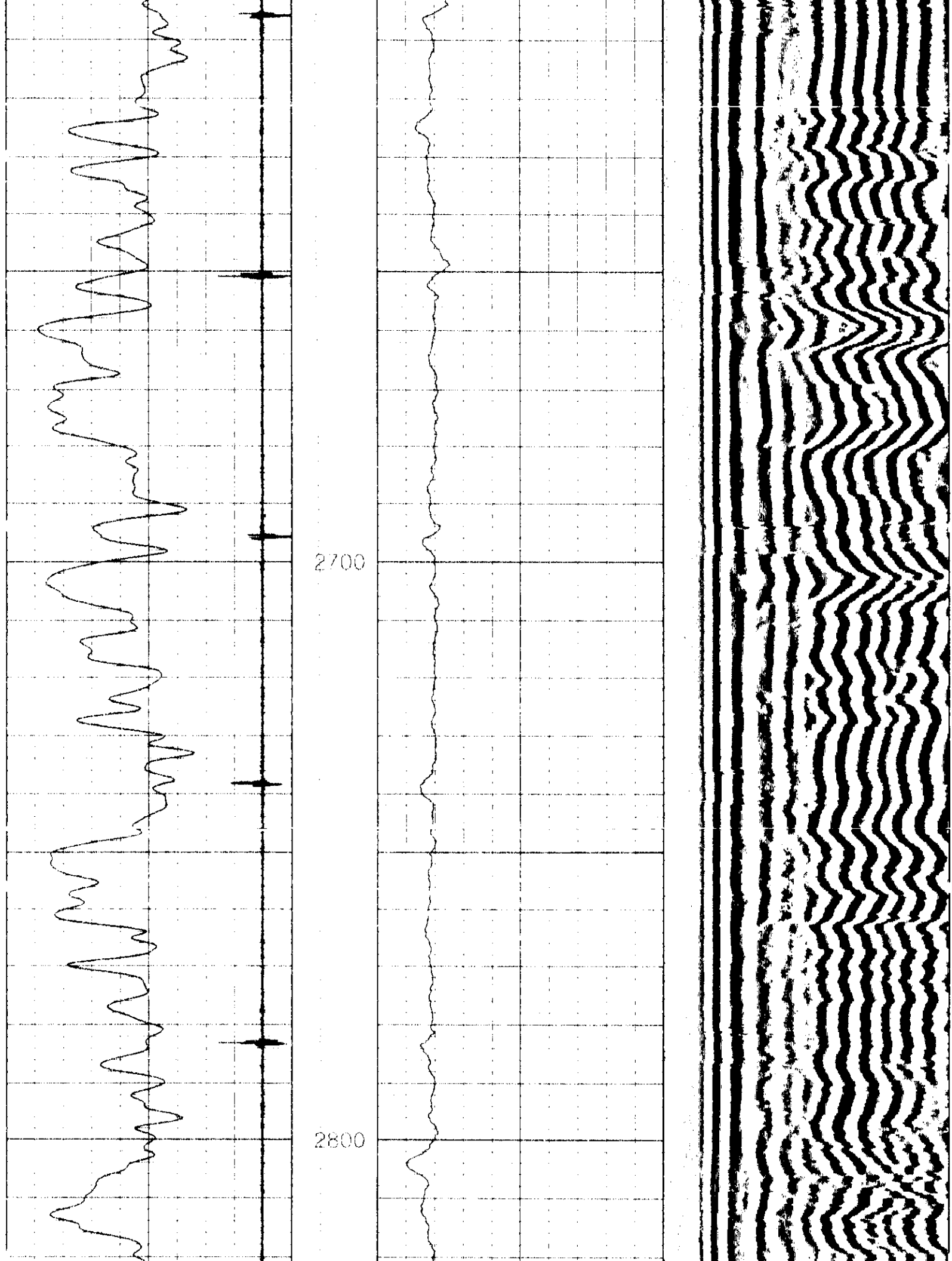


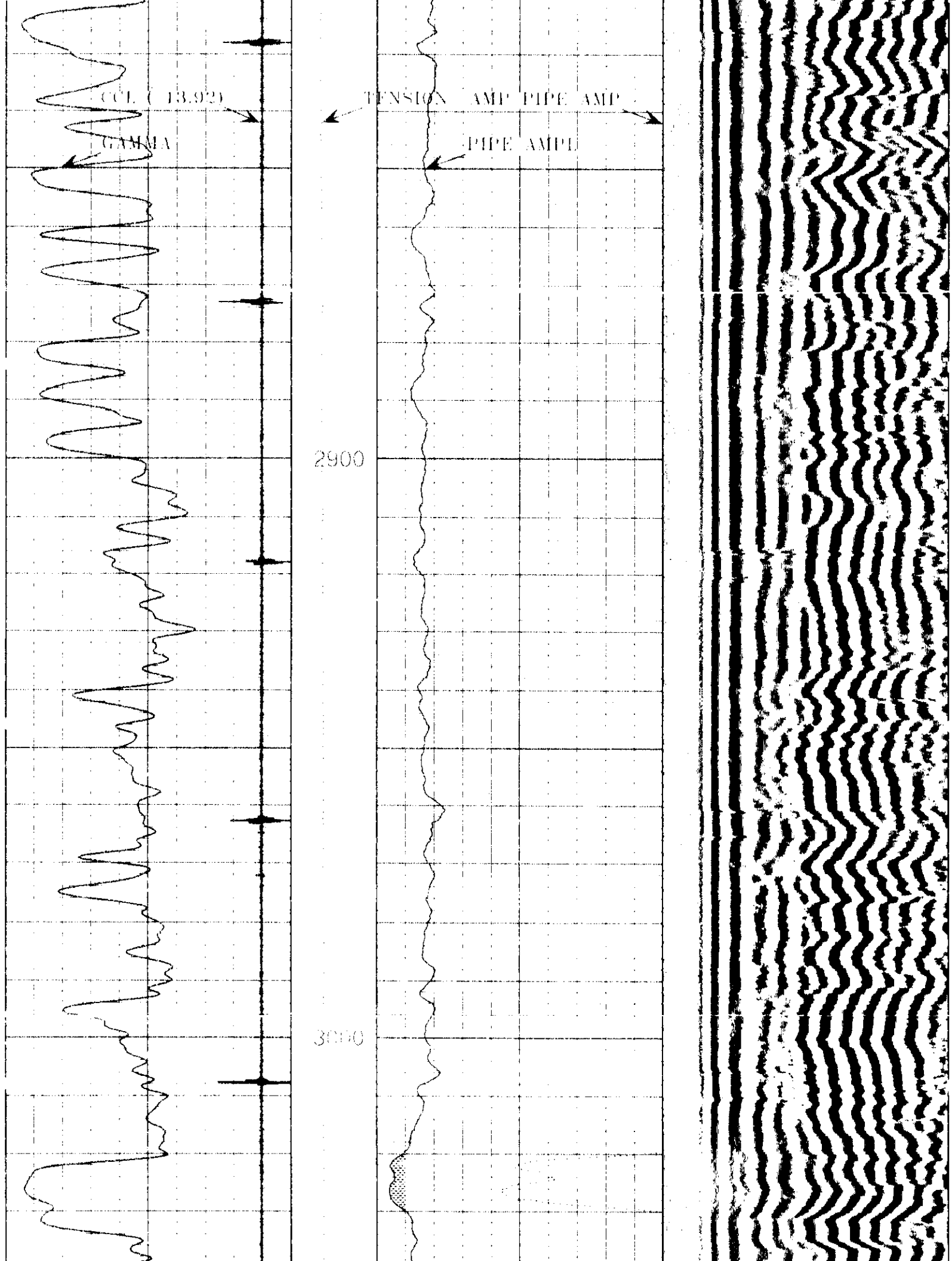


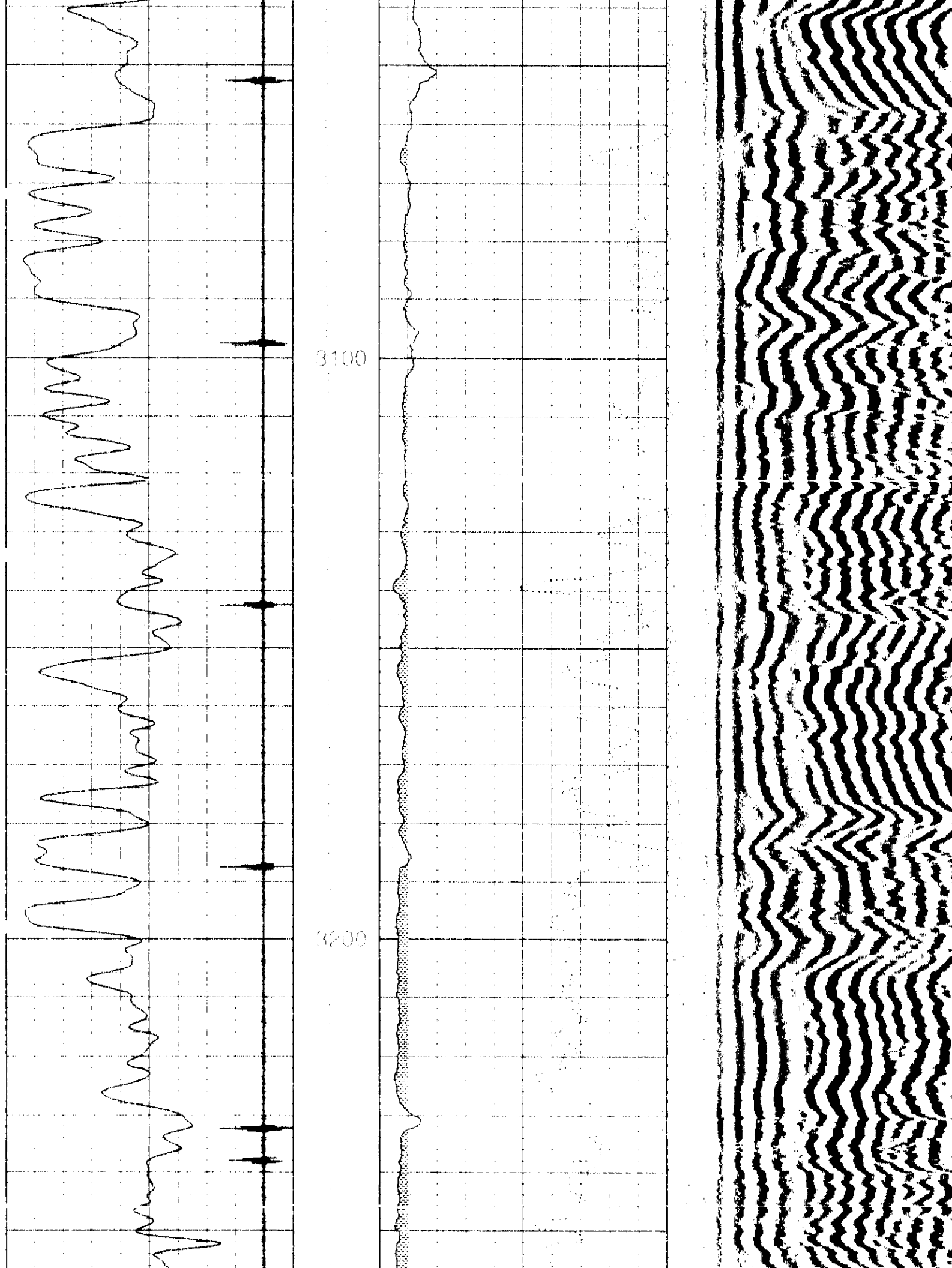


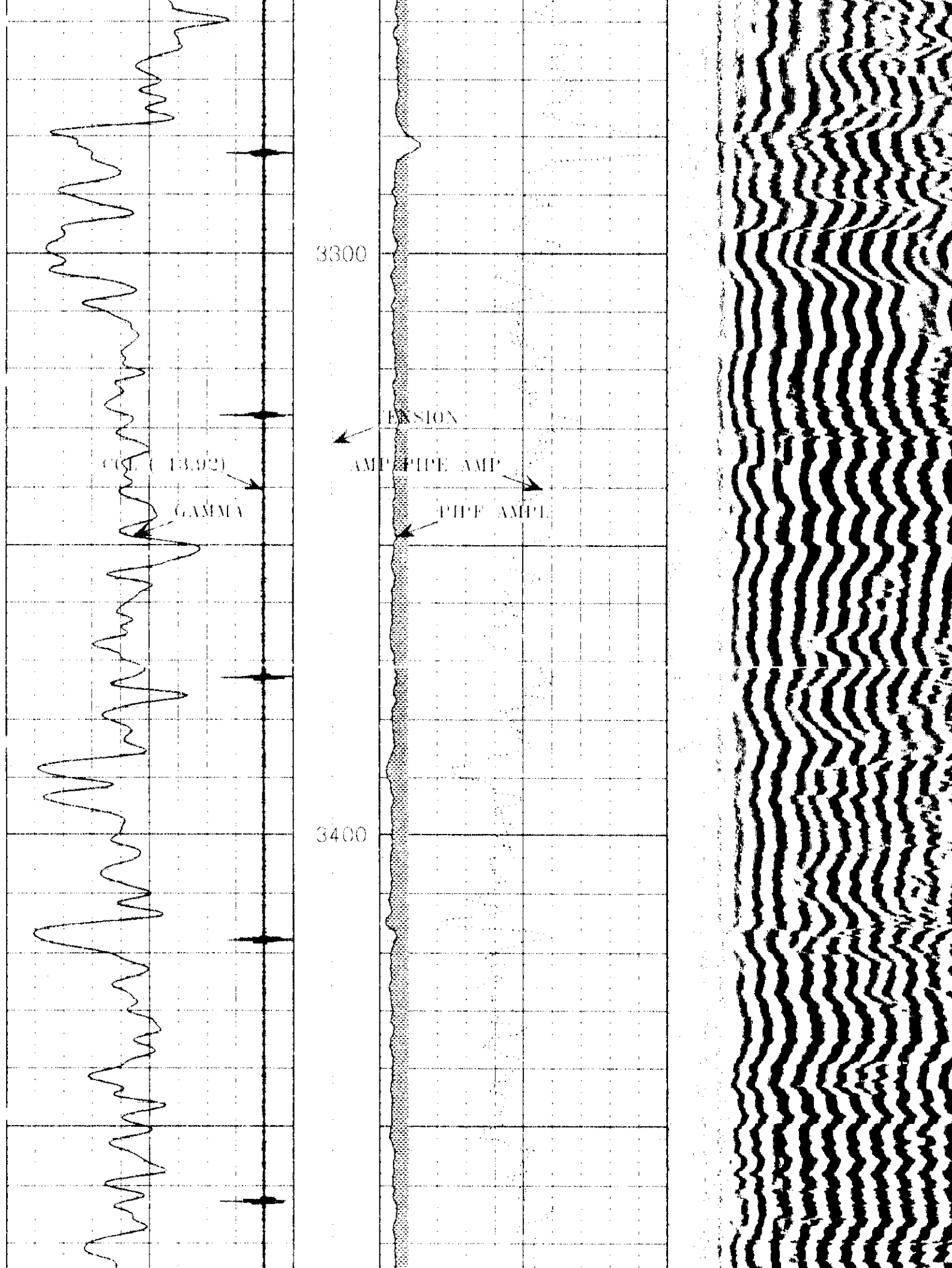


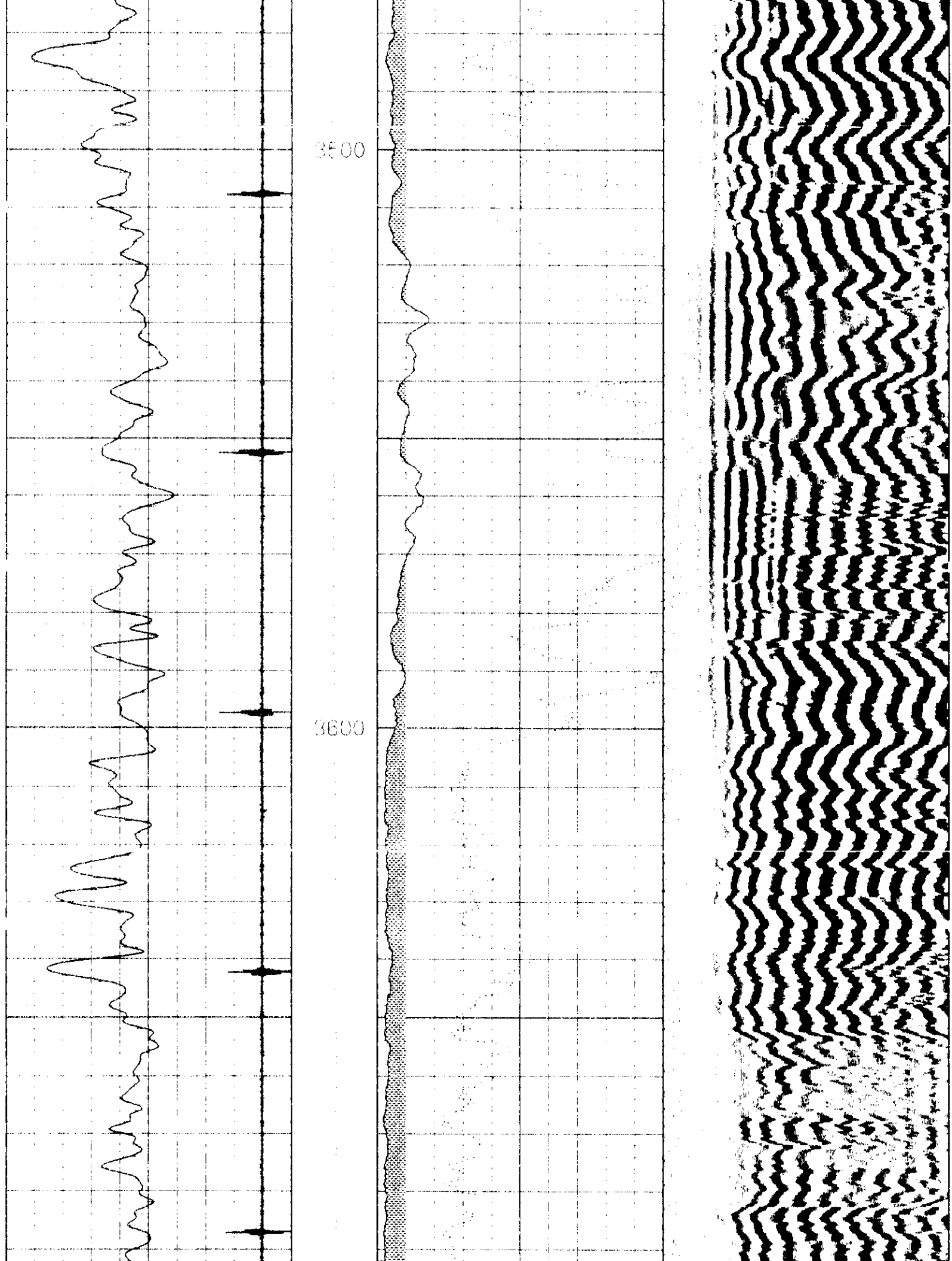


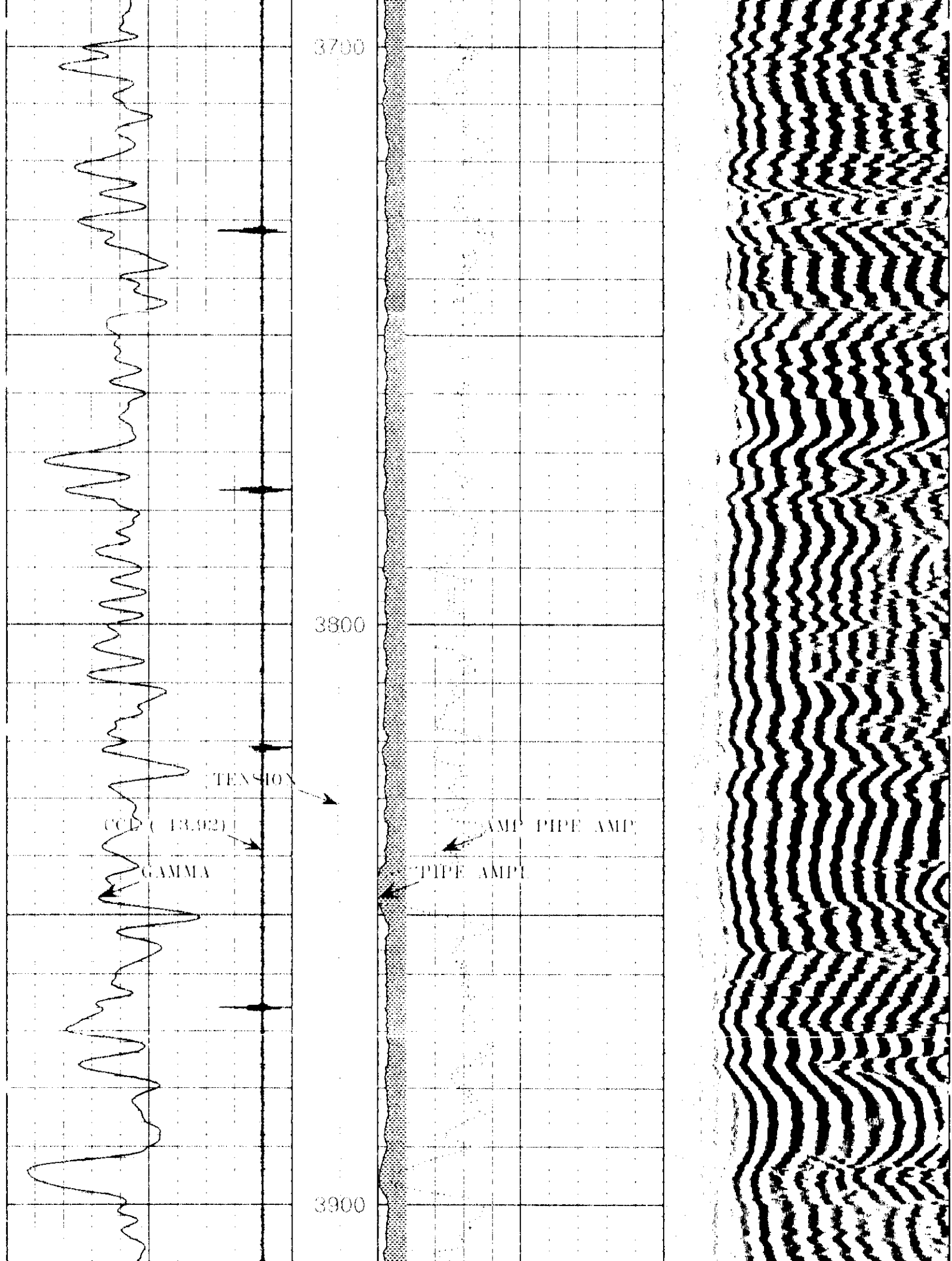


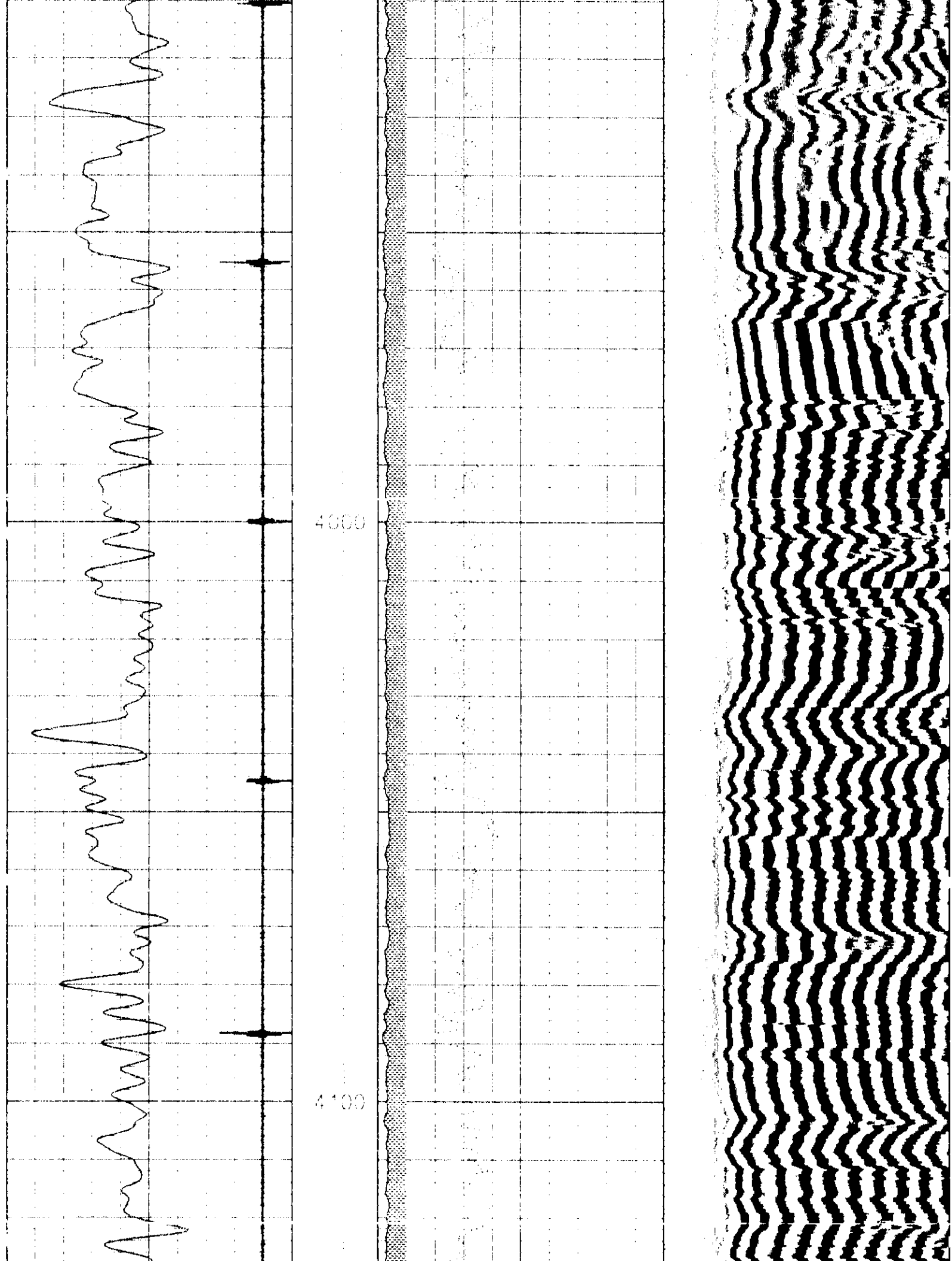


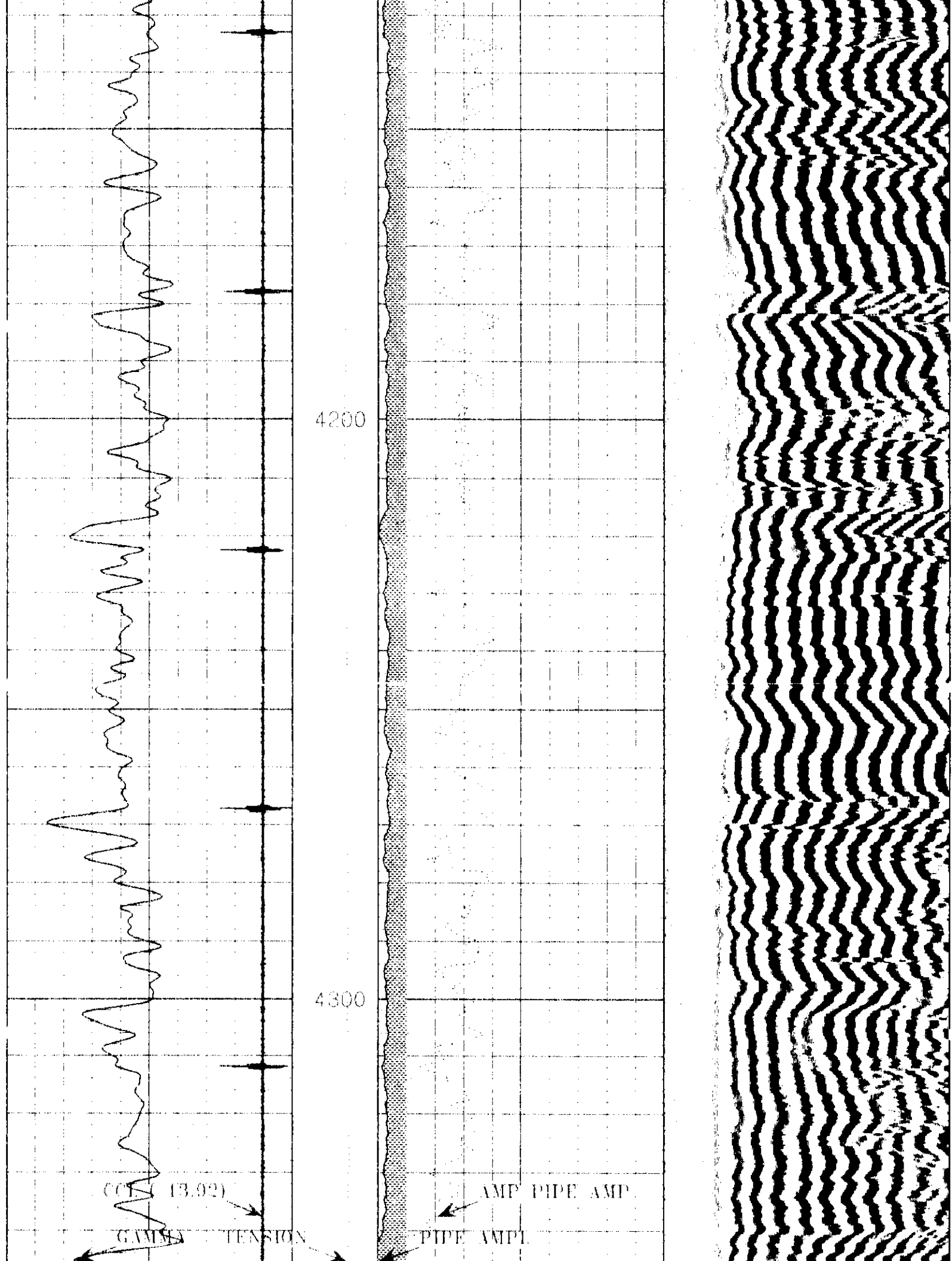


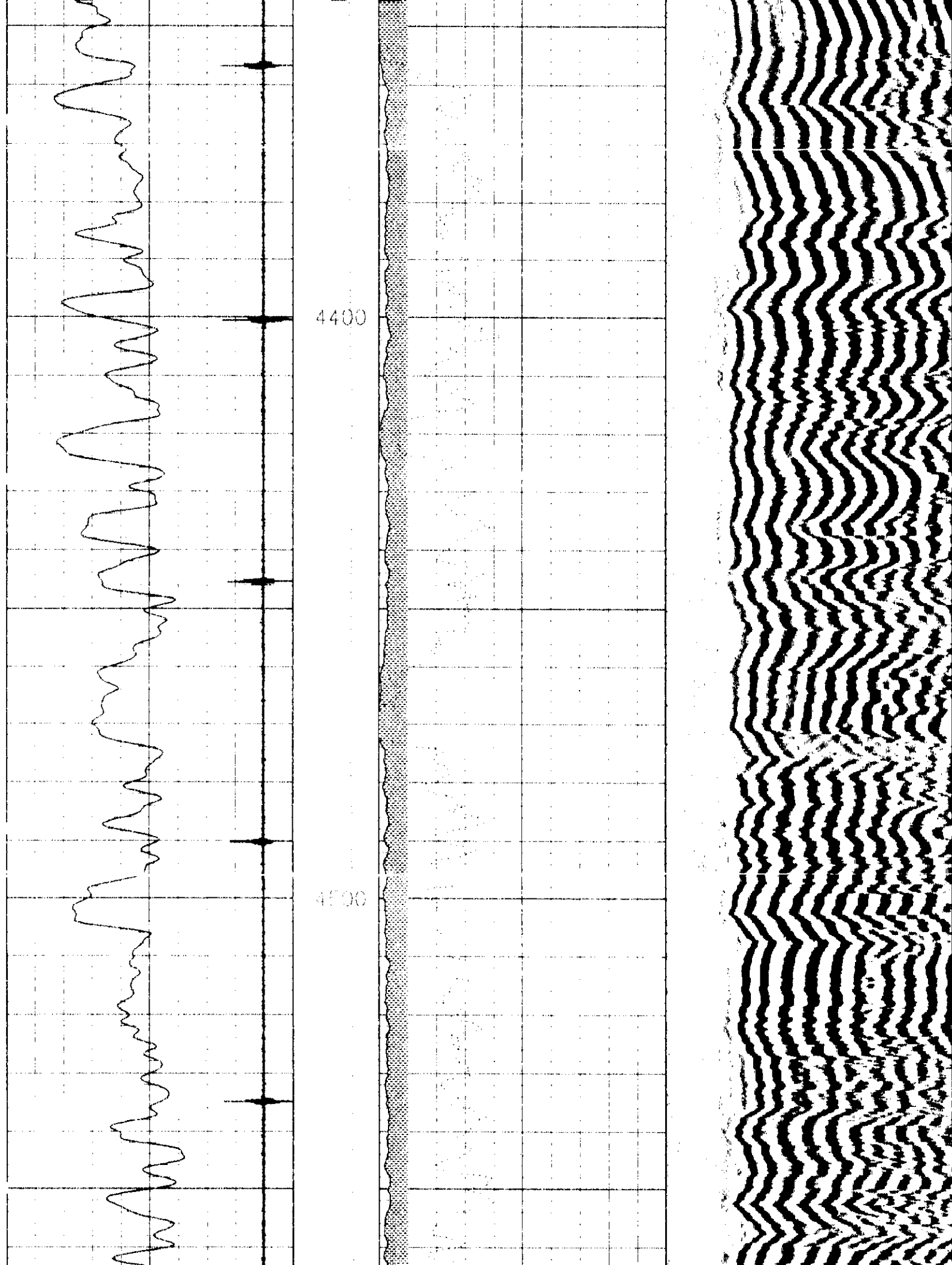


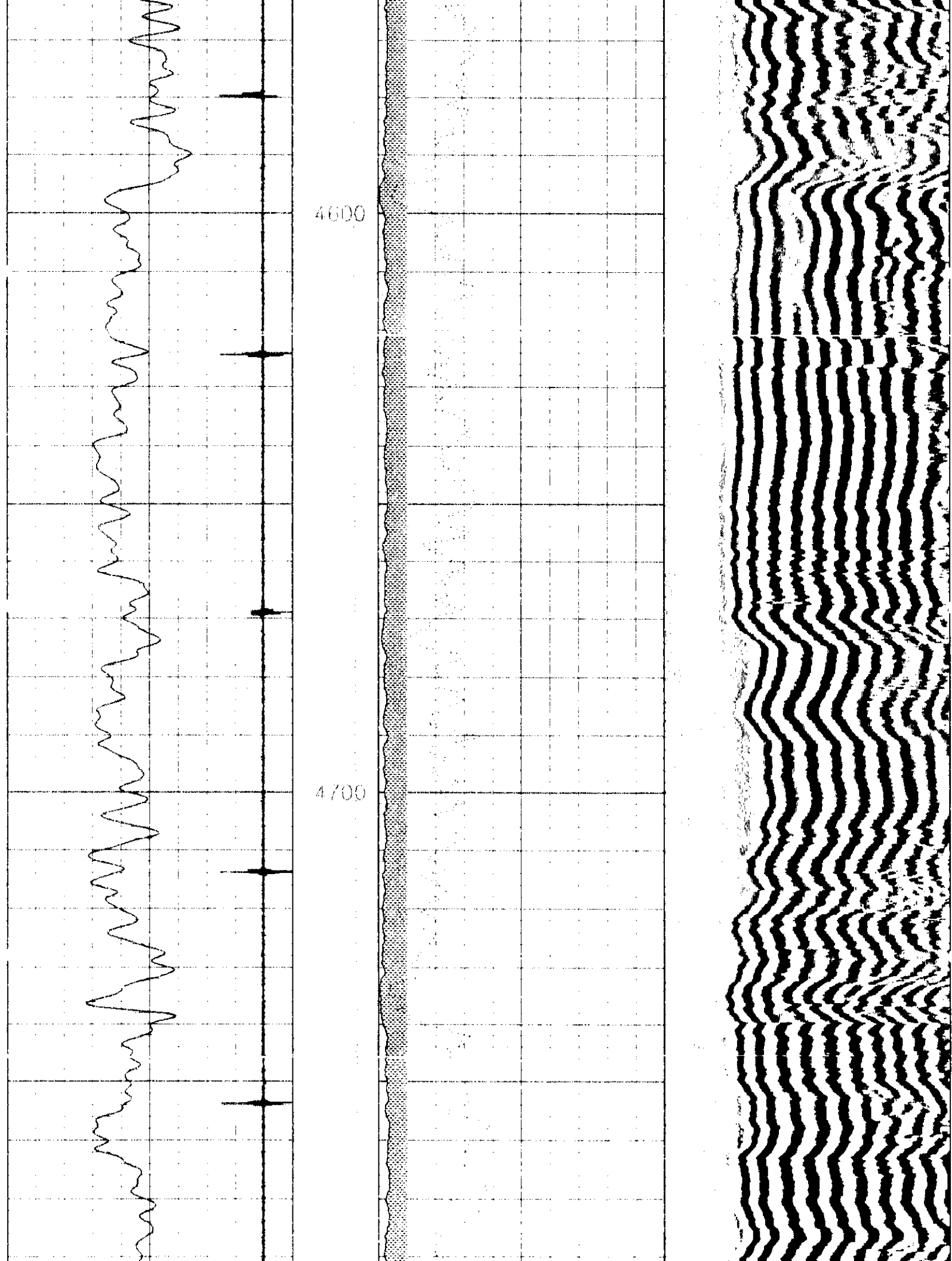


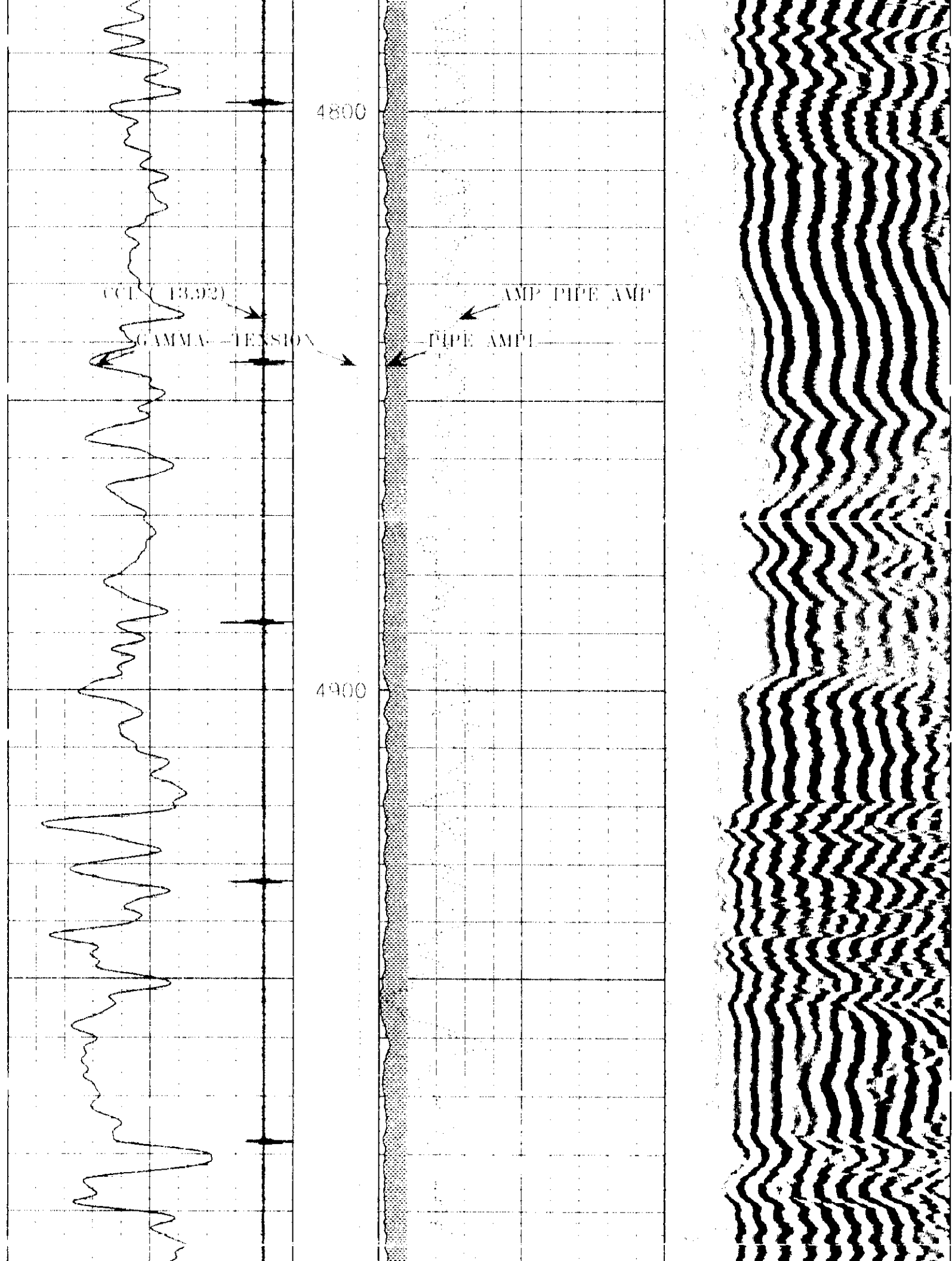


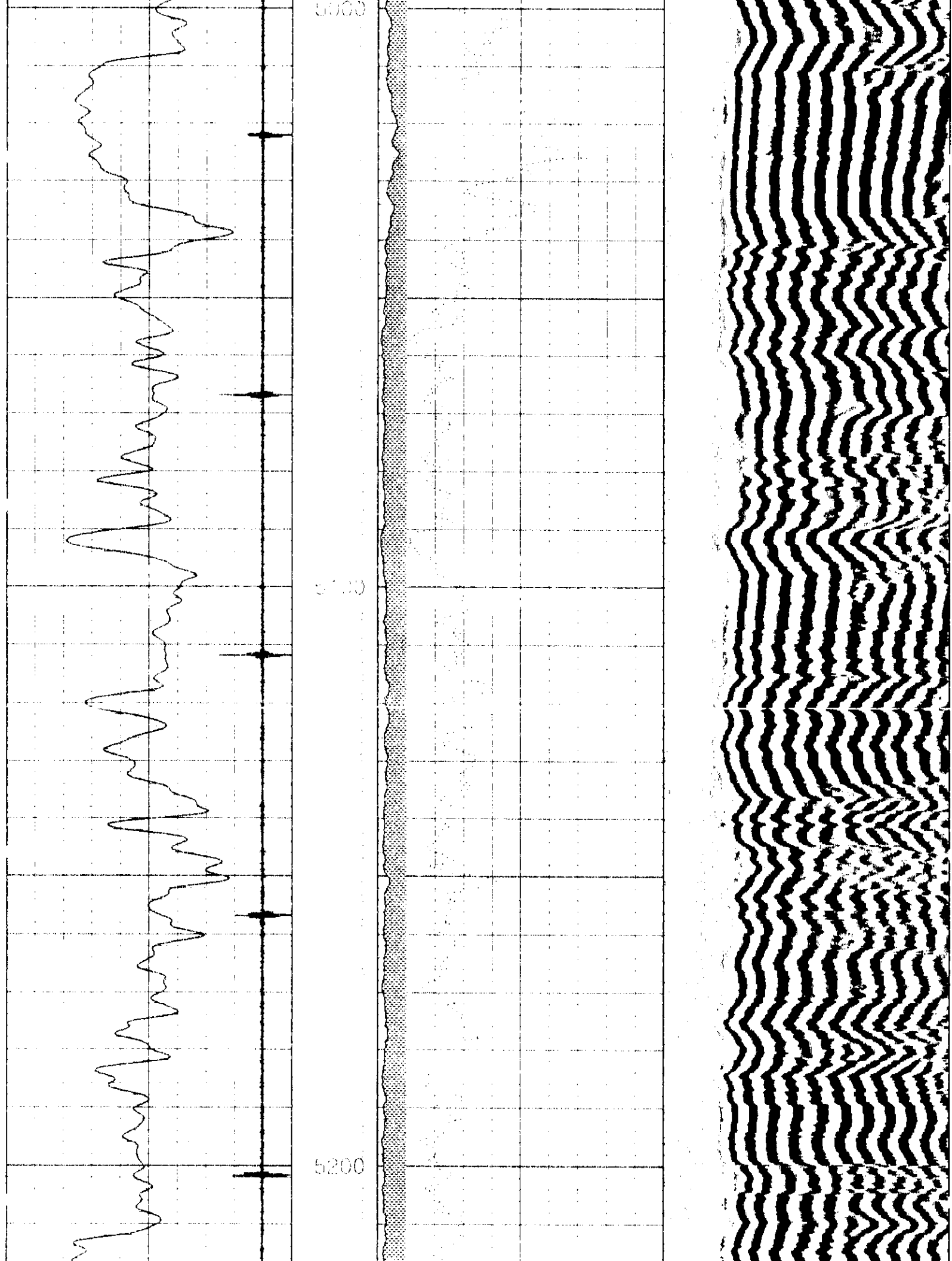


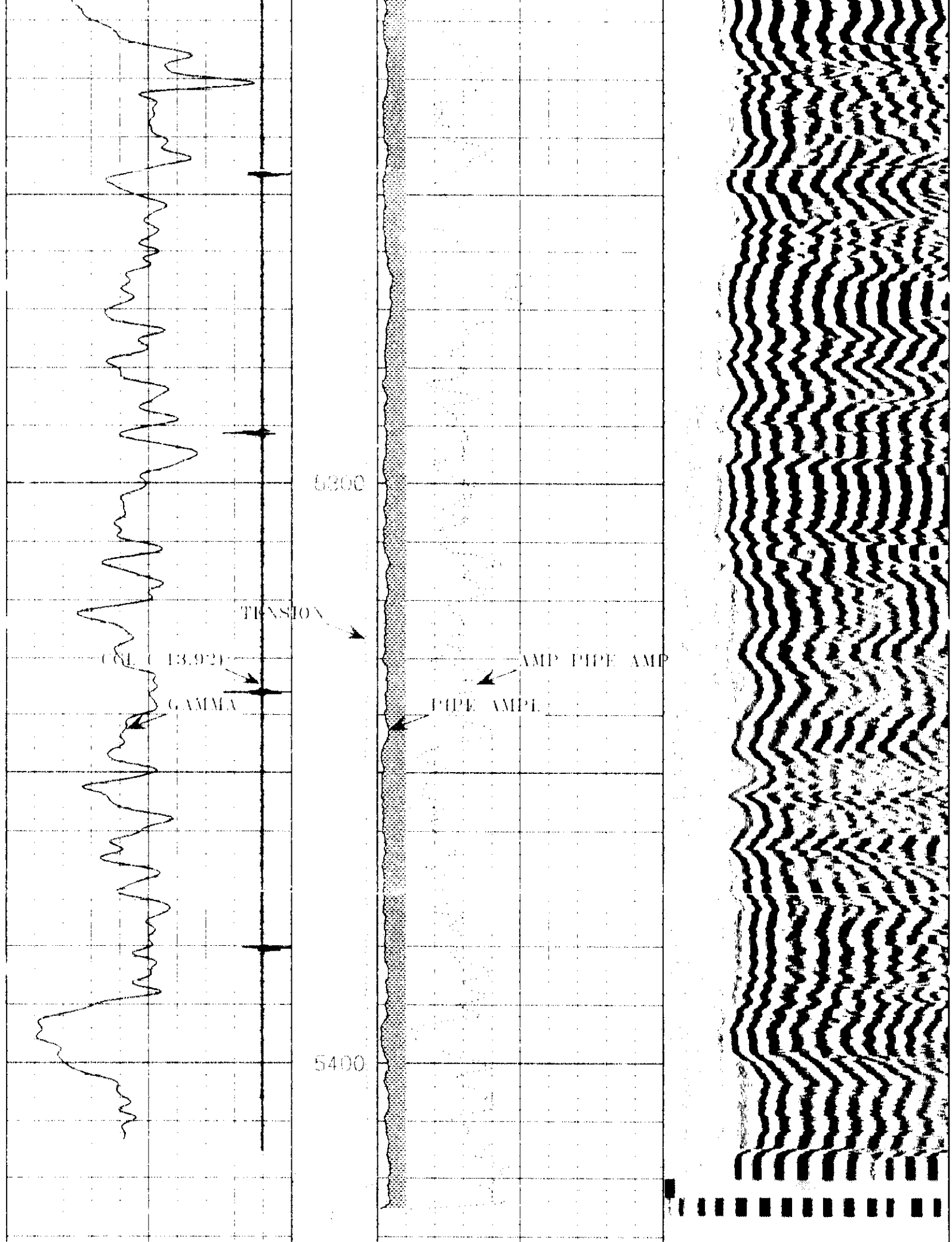












300

-50

0	CCL (13.92)	3650	1240 FT	0	AMP PIPE AMP	10		
0	GAMMA GAMMA API	150	TENSION POU/1850	0	PIPE AMPL	100	200	MSG 4-uSEC 1200



HALLIBURTON

EXCELL+
SOLUTIONS

DATE: 01/14/11

TIME: 14:41

FILE: 01/14/11 14:41

Fig. 1-1: 13.92 3650 1240

MAIN LOG

REPEAT SECTION



HALLIBURTON

EXCELL+
SOLUTIONS

DATE: 01/14/11

TIME: 14:41

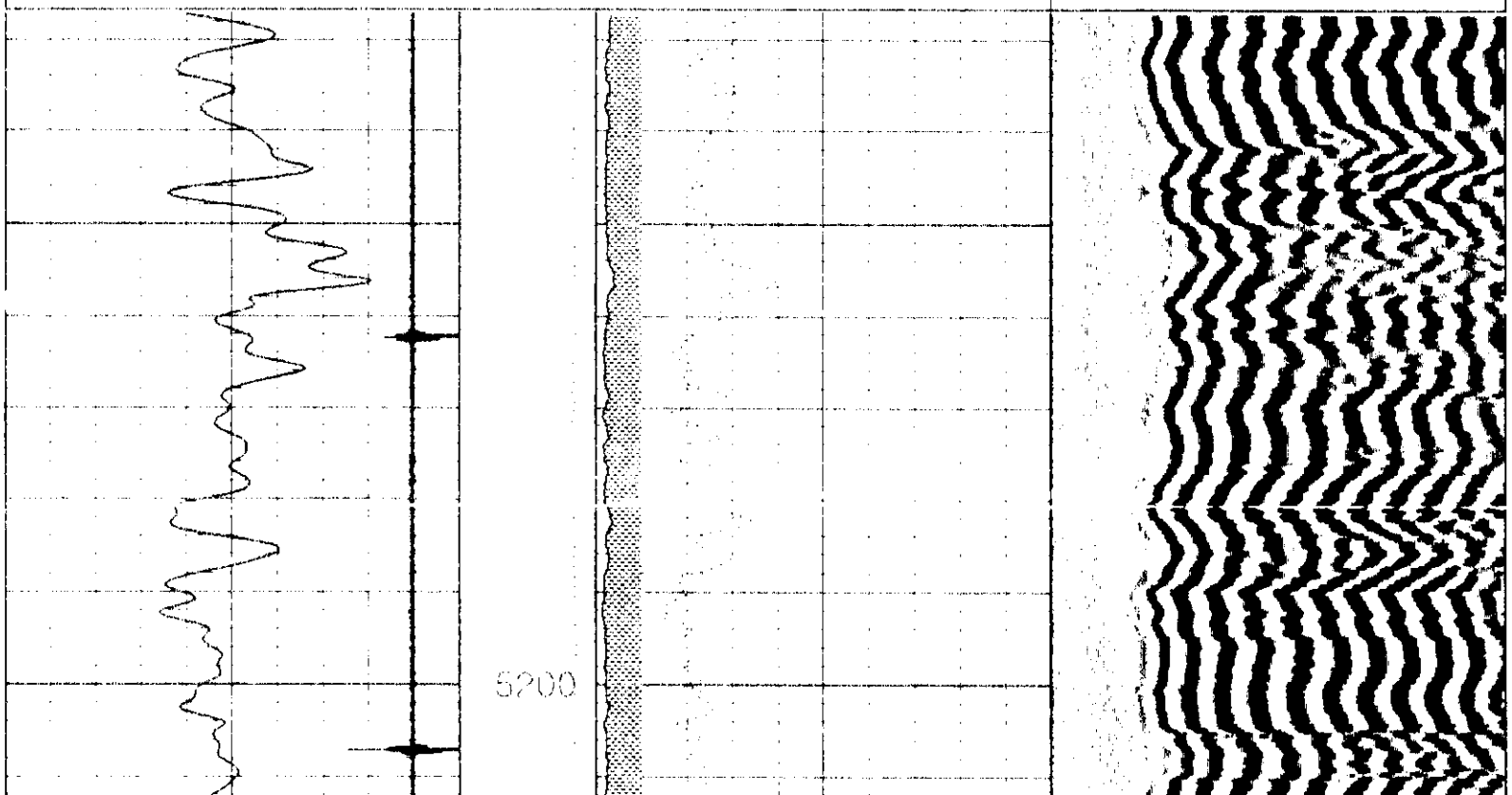
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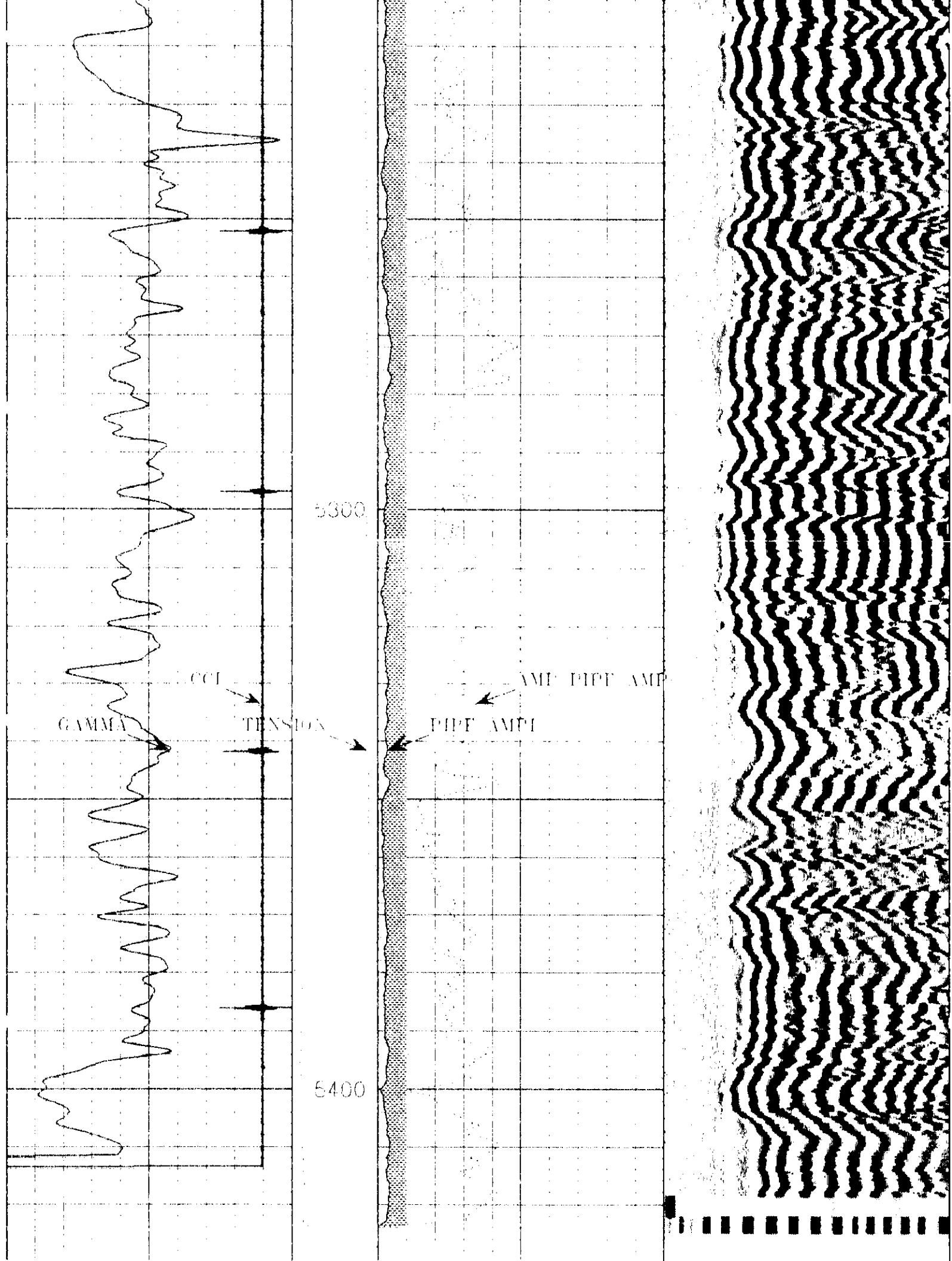
Fig. 1-1: 13.92 3650 1240

0	GAMMA GAMMA API	150	TENSION POU/1850	0	PIPE AMPL	100	200	MSG 4-uSEC 1200
0	CCL	3650	1240 FT	0	AMP PIPE AMP	10		

300

-50





0	CCL	3650	1240 FL	0	AMP PIPE AMP	10	
0	GAMMA GAMMA API	150	TENSION POUNDS	0	PIPE AMPL	100	200
							MSG 4-USEC 1200



REPEAT SECTION

EXCELL-2000 Calibration Report

Date: 31-Mar-1998 09:33

DC NATURAL GAMMA SHOP CALIBRATION SUMMARY

PERFORMED: 23-Mar-1998 15:50 LAST SHOP CALIBRATION: 23-Feb-1998 16:38
 SERIAL NUMBER: 33108 MODEL: UGR-HA
 TRUCK UNIT NUMBER: 7609 PROGRAM VERSION: 3.40
 PERFORMED BY: CLIFF EDMUNDS

	MEASURED	CALIBRATED	UNITS
BACKGROUND	-27467	82	GAPI
BACKGROUND+CALIBRATOR	-98256	294	GAPI
CALIBRATOR	-70788	212	GAPI
GAPI CONVERSION FACTOR	0.351		GAPI/CPS

DC NATURAL GAMMA BEFORE SURVEY FIELD CHECK SUMMARY

PERFORMED: 23-Mar-1998 15:53 LAST SHOP CALIBRATION: 23-Mar-1998 15:50

	SHOP	FIELD	UNITS
BACKGROUND	82	83	GAPI
BACKGROUND+CALIBRATOR	294	291	GAPI
CALIBRATOR	212	208	GAPI

CEMENT BOND TOOL -- CBT - HA SHOP CALIBRATION SUMMARY

PERFORMED: 31-Mar-1998 09:31 LAST SHOP CALIBRATION: 31-Mar-1998 09:28
 SERIAL NUMBER: HA046 MODEL: CBT-HA
 TRUCK UNIT NUMBER: 7609 PROGRAM VERSION: 3.40
 PERFORMED BY: CLIFF EDMUNDS

	MEASURED	CALIBRATED	UNITS
ZERO PIPE AMP NEAR	3.09		API PU
PIPE REFERENCE AMP NEAR	104.16	71.93	API PU
ZERO PIPE AMP FAR	226.01	0.00	API PU
PIPE REFERENCE AMP FAR	69.02	71.93	API PU

CEMENT BOND TOOL - CBT- HA BEFORE SURVEY FIELD CHECK SUMMARY
PERFORMED: 31-Mar-1998 09:33 LAST SHOP CALIBRATION: 31-Mar-1998 09:31

	FIELD BEFORE MEASURED	FIELD BEFORE CALIBRATED	UNITS
BOND PIPE AMP	2.99	3.09	API PU
FREE PIPE AMP	70.56	71.93	API PU

EXCELL-2000 Calibration Summary Table
Date: 31-Mar-1998 09:33

Service or Signal	Shop	Before	After	Change	Tolerance
GAMMA	212	208		4	+/- 9.0
FREE PIPE AMP	71.926	71.926		-1.365	+/- 5

EXCELL-2000 CUSTOMER EVENT LOG
Date: 31-Mar-1998 11:33

Event	Time	Section	Depth	Event Description	Data	Repeat
0001	09:23:20	0	0.00	Engineer is: CLIFF EDMUNDS		
0002	09:33:41	0	5181.16	Exiting EXCELL-2000 tool calibrations.	FIELD	
0003	09:37:43	1	579.25	Begining new Uplog section.		1
0004	09:39:46	1	491.25	End logging section		1
0005	09:43:45	1	523.83	Exiting EXCELL-2000 tool calibrations.	FIELD	
0006	10:05:06	2	5430.75	Begining new Uplog section.		2
0007	10:10:36	2	5125.25	End logging section		2
0008	10:13:17	3	5432.25	Begining new Uplog section.		3
0009	11:20:13	3	1324.91	End logging section		3

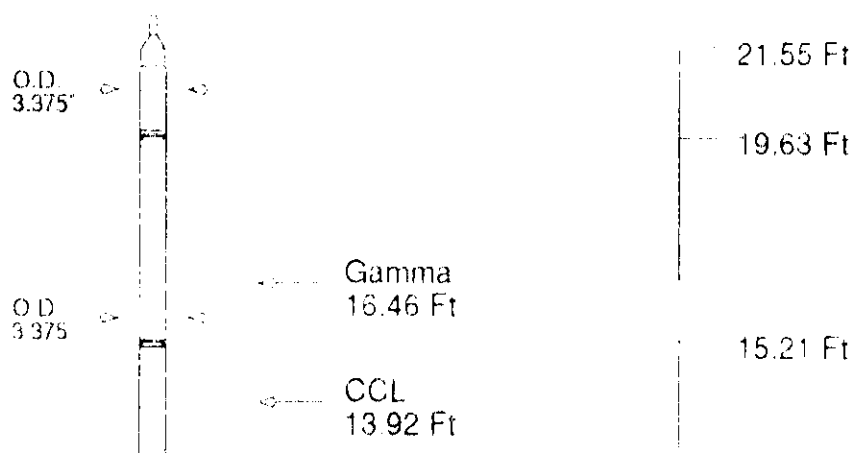


CEMENT BOND LOG

Excell 2000 Tool String Diagram

NATURAL GAMMA
(UGR-HA) SN: 33108

UNIVERSAL CCL
(UCCL-UN)



CEMENT BOND TOOL
(CBT-HA) SN: HA046

11.25 Ft

TRANSIT TIME NEAR
PIPE AMPLITUDE NEAR
5.50 Ft
TRANSIT TIME FAR
PIPE AMPLITUDE FAR
4.50 Ft

O.D.
3.250"

0.00 Ft

Tool Mnemonic	Length (Ft)	Weight In Air (lbs)	Logging Speed (Ft/min)
UGR-HA	4.42	10.00	200.00
UCCL-UN	3.96	10.00	N/A
CBT-HA	11.25	215.00	30.00
Tool String	19.63	235.00	30.00

COMPANY PETROGLYPH OPERATING COMPANY

WELL UTE TRIBAL #31-05

FIELD ANTELOPE CREEK

COUNTY DUCHESNE STATE UT.



HALLIBURTON

CEMENT
BOND
LOG

RECEIVED APR 01 1998